Hydroxyl OutPut

128#
122
125

170#

165

160#

128#
122
125

150#

142#
125

140#

135#

130#

50#

132

128#
122
125

131

133

120#

102
105

100#

110#

40#

60#

61

45#

10#

30#

20#

70#

72
75

95

90#

80#

85#

Fig 1

MLS- Hydroxyl Filling Station (MLS-HFS)

MLS-Hydroxyl Filling Station (MLS-HFS) Graph Display and Operator Control   File: DisplayFig2.dcd

Fig-2
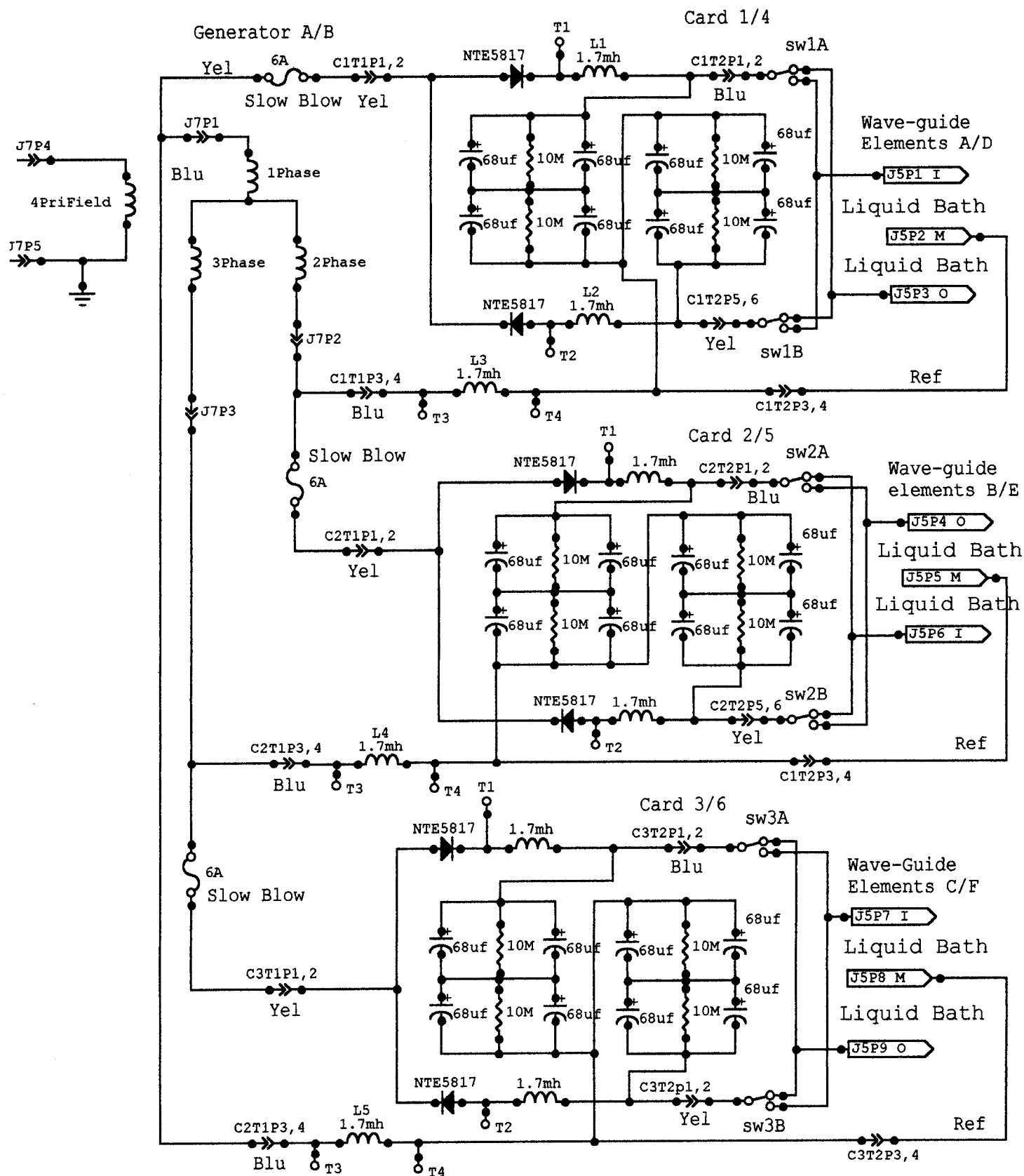
Generator A & B are synchronized with each other

Generator B

Phase 3

Phase 2

Phase 1

110#

Card 6 (0v)

Card 5 (0v)

Card 4 (0v)

102#

50#

120#

(-) (+)

(-) (+)

(-) (+)

F

E

D

133

A

B

C

132#

(+) (-)

(+) (-)

(+) (-)

Card 1 (0v)

Card 2 (0v)

Card 3 (0v)

102#

Generator A

Phase 1

Phase 2

Phase 3

110#

Configuration of Hydroxyl gas producting appartuses

Fig-3

Impedance matching circuits 102

Fig-4

Signals Traveling Wave Guide

Xa: 2.988m   Xb: 5.000m   a-b:-2.012m   freq: 496.9
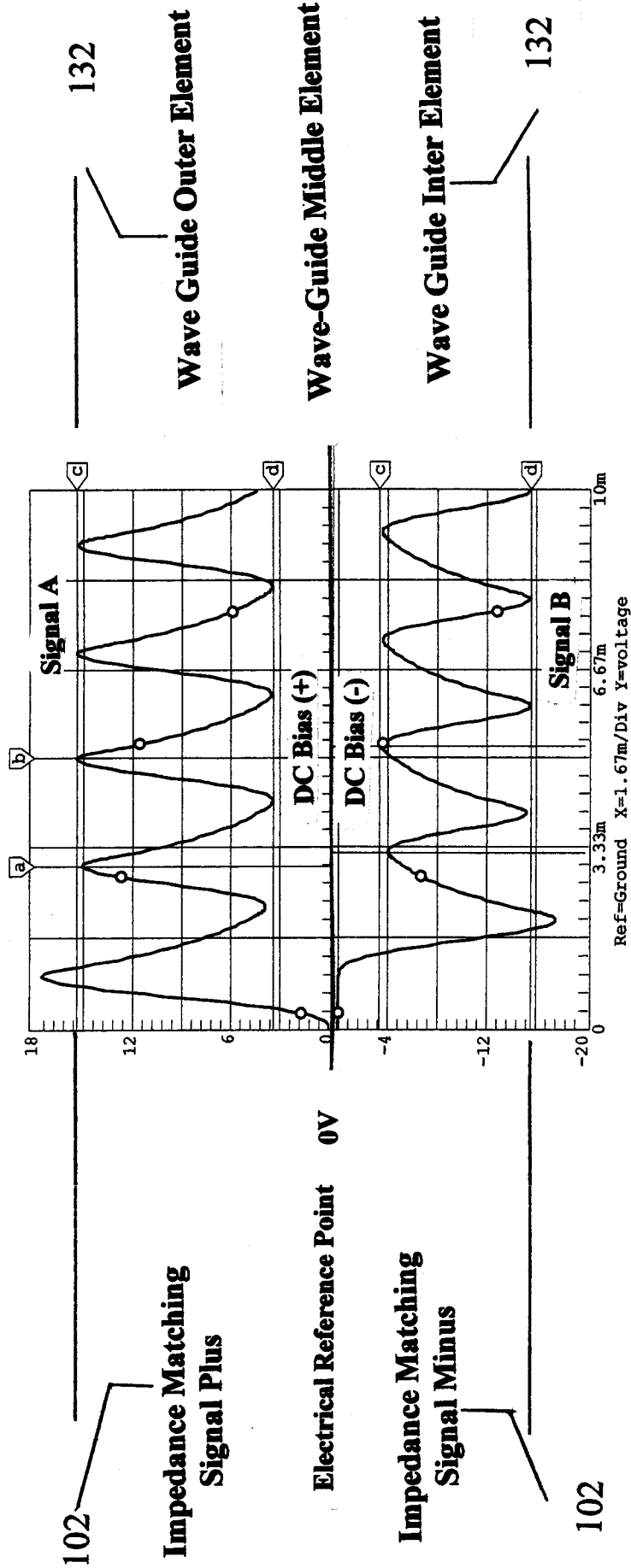Yc: 15.49   Yd: 3.450   c-d: 12.04

Signal A

Wave Guide Outer Element

132

Wave-Guide Middle Element

DC Bias (+)

DC Bias (-)

Wave Guide Inter Element

132

Signal B

18

12

6

-4

-12

-20

0   3.33m   6.67m   10m

Ref=Ground X=1.67m/Div Y=voltage

Impedance Matching Signal Plus

Electrical Reference Point   0V

Impedance Matching Signal Minus

102

102

FIG-5

Signal test point T1 in impedance matching
Circuit 102 in fig-4

c
d
a,b

32
16
0
-16

0   3.33m   6.67m   10m

Aa: 3.77m   Xo: 5.852m   a-b:-74.0U/u   freq: 13.50k
Yc: 21.00   Yd:-9.500   c-d: 30.50
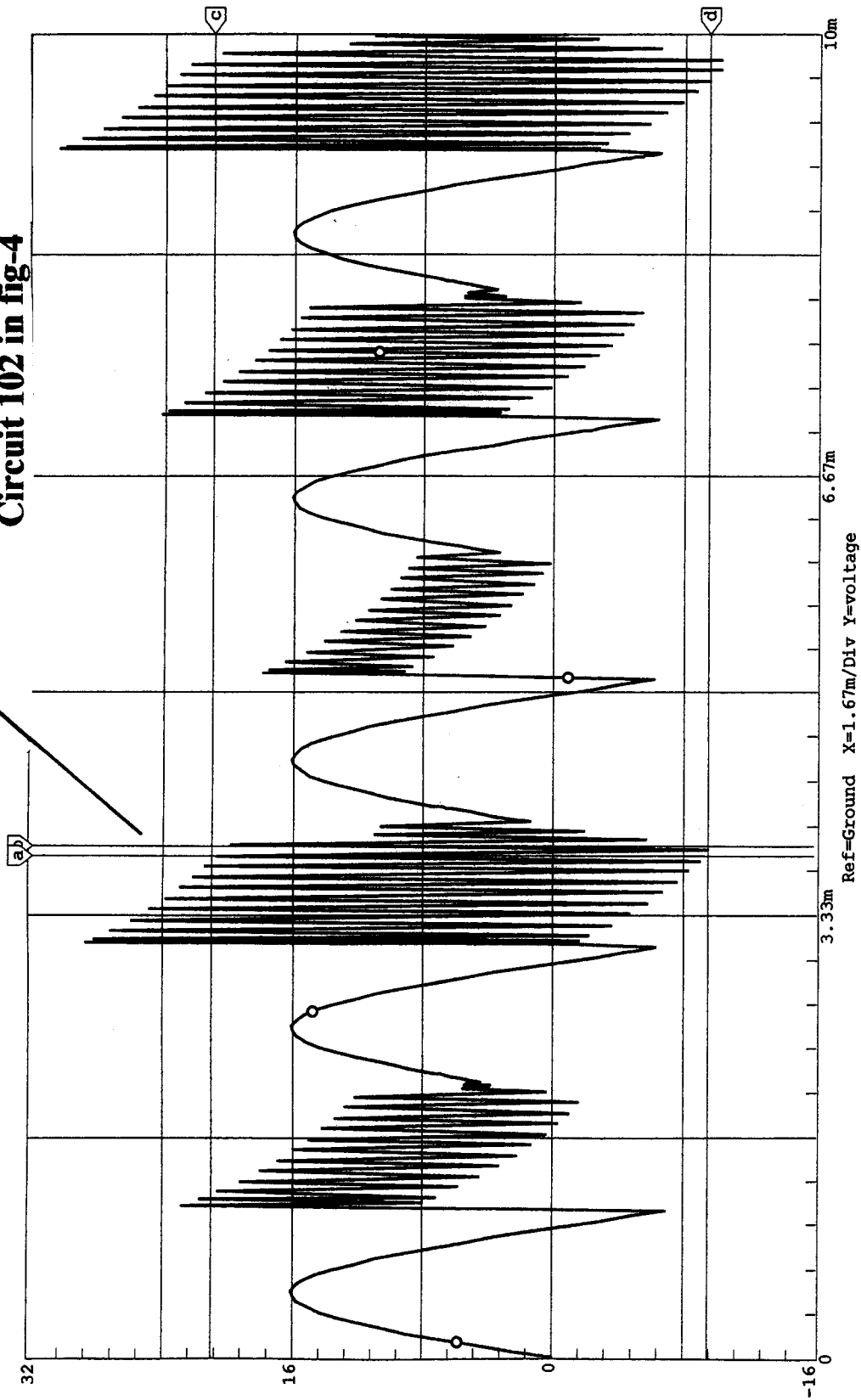
Ref=Ground   X=1.67m/Div Y=voltage

FIG-6

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